

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. Contract ID Code	Page 1	of Pages 4
2. Amendment/Modification No. 0096	3. Effective Date Jun 9, 2003	4. Requisition/Purchase Req. No.	5. Project No. (if applicable)	
6. Issued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH BLDG 1100, W/OPS53 STENNIS SPACE CENTER MS 39529-6000 Penny S. Parker 228-688-1705		7. Administered By (if other than Item 6) SEE BLOCK 6		
8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNTL BUILDING 3205 STENNIS SPACE CENTER MS 39529-6000 ATTN: MS. PAMALA HATTAWAY (228) 688-1830		Code WG953023 Vendor ID: 00027009 DUNS: 054781240 CAGE: (X) 9A. Amendment of Solicitation No. 9B. Date (See Item 11) X 10A. Modification of Contract/Order No. 50QANW000402 10B. Date (See Item 13) May 18, 2000		
Code	Facility Code	11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS		

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)
\$ US 0.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- (x) A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.
- B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set forth item 14, pursuant to the authority of FAR 43.103 (b)
- X C. This supplemental agreement is entered into pursuant to authority of:
Under scope, within terms and conditions of contract; by mutual agreement.
- D. Other (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 3 copies to the issuing office.
14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. Accounting and Appropriations Schedule of the subject contract is hereby revised by addition of page 4Q, attached:

	Contract Value	Total Sum Allotted
Previous Value	\$37,709,540.25	\$26,877,812.96
This Action	46,460.00	- 0 -
Current Value	\$37,756,000.25	\$26,877,812.96

(Continued)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print) Pamala J. Hattaway Contracts Representative	16A. Name and title of Contracting Officer (Type or Print) Penny S. Parker Contracting Officer Penny.Parker@noaa.gov	16C. Date Signed 6/10/03
15B. Contractor/Officer <i>Pamala J. Hattaway</i> (Signature of person authorized to sign)	15C. Date Signed 6/9/03	16B. United States of America <i>Penny S. Parker</i> (Signature of Contracting Officer)

NSN 7540-01-152-8070

PREVIOUS EDITIONS UNUSABLE

30-105

STANDARD FORM 30 (REV. 10-83)

Prescribed by GSA FAR (48 CFR) 53.243

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0003	<p>The modification details are listed beginning on page 3.</p> <p>Second Option Year Estimated Cost</p>	1	YR	10,695,150.25	10,695,150.25

This modification incorporates the following: (a) by reference FAR 52.243-2 CHANGES - COST REIMBURSEMENT (AUG 1987) ALTERNATE II (1984); (b) increase of [REDACTED] and associated burdens for purchased consumable supplies for the second option year; and (c) increase of [REDACTED] for consumable materials for the second option year.

3. SECTION B.3 ESTIMATED AND ALLOWABLE COSTS-INCREMENTALLY FUNDED CONTRACT, Paragraphs (1), (2), and (3) are hereby revised as follows:
(a) Estimated Costs, Fee, and Sum Allotted

(1) Estimated cost, base fee, and potential award fee by contract period.

<u>Period</u>	<u>Estimated Cost</u>	<u>Potential Award Fee</u>
07/01/00-06/30/01	\$7,863,162	\$342,588
07/01/01-06/30/02	\$9,533,390	\$411,497
07/01/02-06/30/03	\$10,695,150	\$448,065
07/01/03-06/30/04	\$9,664,298	\$435,208
07/01/04-06/30/05	\$9,645,902	\$432,452

(2) Total contract value is computed as follows:

[REDACTED]	[REDACTED]
Fixed Price Work	463,204.25
Total Contract Value	\$37,756,000.25

(3) Total funds currently available for payment and allotted to this contract, in accordance with FAR clause 52.232-22, "Limitation of Funds," plus the estimated contract period covered by this amount:

Total Sum Allotted	\$26,877,812.96
[REDACTED]	[REDACTED]
Potential Award Fee	\$ 1,647,971.00
Estimated Period of Performance	07/01/2000 - 07/11/2003

(Continued on Page 4Q attached)

MOD	SUP	ACC/APP	AMOUNT	CUMULATIVE OBLIGATION	DATE
0094	S-95	1403A8M1JDBPAB2304010200120060000095030000	\$ 378,000.00		
		25130000			
		1403A8M1JDBPAB2304010200120060000095030000	\$ 119,000.00		
		26190000			
		1403A8M1JMWPGC2304010200020060000095030000	\$ 55,825.00		
		26190000			
		14034BM1JSMR6060401020002006000095030000	\$ 5,482.76		
		25130000	\$ 1,824.31		
		14034BM1JSMR6060401020002006000095030000	\$ 560,132.07	\$26,440,742.96	05/22/03
		26190000	\$ 437,070.00		
0095	S-96	1403A8M1JMWPA22304010200020060000095030000	\$ 437,070.00	\$26,877,812.96	05/31/03
0096	- -	25130000	\$ -	\$26,877,812.96	06/09/03
		N/A			

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Page 1 of Pages 4

Amendment/Modification No. 0097	3. Effective Date Jun 12, 2003	4. Requisition/Purchase Req. No.	5. Project No. (if applicable)
6. Issued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH BLDG 1100, W/OPS53 STENNIS SPACE CENTER MS 39529-6000 Penny S. Parker 228-688-1705		7. Administered By (If other than Item 6) SEE BLOCK 6	
8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNTL BUILDING 3205 STENNIS SPACE CENTER MS 39529-6000 ATTN: MS. PAMALA HATTAWAY (228) 688-1830		(X) 9A. Amendment of Solicitation No. 9B. Date (See Item 11) 10A. Modification of Contract/Order No. 50QANW000402 10B. Date (See Item 13) May 18, 2000	
Code	Facility Code		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)
\$ US 0.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- (x) A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.
- B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set forth item 14, pursuant to the authority of FAR 43.103 (b)
- X C. This supplemental agreement is entered into pursuant to authority of:
Under scope, within terms and conditions of contract; by mutual agreement.
- D. Other (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 3 copies to the issuing office.

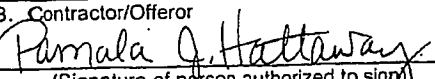
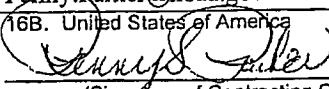
14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. Accounting and Appropriations Schedule of the subject contract is hereby revised by addition of page 4Q, attached:

	Contract Value	Total Sum Allotted
Previous Value	\$37,756,000.25	\$26,877,812.96
This Action	12,559.00	- 0 -
Current Value	\$37,768,559.25	\$26,877,812.96

(Continued)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print) Pamala J. Hattaway Contracts Representative	16A. Name and title of Contracting Officer (Type or Print) Penny S. Parker Contracting Officer Penny.Parker@noaa.gov
15B. Contractor/Officer  (Signature of person authorized to sign)	15C. Date Signed 6/17/03
16B. United States of America  (Signature of Contracting Officer)	16C. Date Signed JUN 17 2003

NSN 7540-01-152-8070

30-105

STANDARD FORM 30 (REV. 10-83)

PREVIOUS EDITIONS UNUSABLE

Prescribed by GSA FAR (48 CFR) 53.243

SCHEDULE

No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0003	<p>The modification details are listed beginning on page 3.</p> <p>Second Option Year Estimated Cost</p>	1	YR	10,707,709.25	10,707,709.25

2. This modification incorporates the following:
(a) addition of Phase I of the "Outline of approach for NOAA Observation Monitoring System Development (requirements and architecture definition), attached. Tasks and deliverables are: 1. system requirements documentation; 2. evaluation results and recommendations from analysis of alternative approaches; and 3. top level architecture description. The [REDACTED] level of effort has a firm fixed price of [REDACTED]
(b) correction of the potential award fee on modification number 0095 to read \$1,637,114, and on modification number 0096 to read \$1,637,358.

3. SECTION B.3 ESTIMATED AND ALLOWABLE COSTS-INCREMENTALLY FUNDED CONTRACT, Paragraphs (1), (2), and (3) are hereby revised as follows:
(a) Estimated Costs, Fee, and Sum Allotted

- (1) Estimated cost, base fee, and potential award fee by contract period.

<u>Period</u>	<u>Estimated Cost</u>	<u>Potential Award Fee</u>
07/01/00-06/30/01	\$7,863,162	\$342,588
07/01/01-06/30/02	\$9,533,390	\$411,497
07/01/02-06/30/03	\$10,707,709	\$448,065
07/01/03-06/30/04	\$9,664,298	\$435,208
07/01/04-06/30/05	\$9,645,902	\$432,452

- (2) Total contract value is computed as follows:

[REDACTED]
Fixed Price Work 475,763.25
Total Contract Value \$37,768,559.25

- (3) Total funds currently available for payment and allotted to this contract, in accordance with FAR clause 52.232-22, "Limitation of Funds," plus the estimated contract period covered by this amount:

Total Sum Allotted \$26,877,812.96
[REDACTED]
Potential Award Fee \$ 1,637,358.00
Estimated Period of Performance 07/01/2000 - 07/11/2003

(Continued on Page 4Q)

MOD	SUP	ACC/APP	AMOUNT	CUMULATIVE OBLIGATION	DATE
0094	S-95	1403A8M1JDBPAB2304010200120060000095030000	\$ 378,000.00		
		25130000			
		1403A8M1JDBPAB2304010200120060000095030000	\$ 119,000.00		
		26190000			
		1403A8M1JMWPGC2304010200020060000095030000	\$ 55,825.00		
		26190000			
		14034BMLJSMR60604010200020060000095030000	\$ 5,482.76		
0095	S-96	25130000	\$ 1,824.31		
		14034BMLJSMR60604010200020060000095030000	\$ 560,132.07	\$26,440,742.96	05/22/03
		26190000			
		1403A8M1JMWPA22304010200020060000095030000	\$ 437,070.00	\$26,877,812.96	05/31/03
		25130000	\$ 437,070.00	\$26,877,812.96	06/09/03
		N/A	- 0 -	\$26,877,812.96	06/12/03
		N/A	- 0 -		

Outline of approach for NOAA Observation Monitoring System Development

This paper presents an outline of an overall approach for developing the NOAA Observation Monitoring System. The approach described here is intended to focus on quickly identifying an architecture and delivering an initial prototype with a reasonable level of core functionality by early September. Additional functions would then be delivered in increments on a regular schedule (e.g. every 3 months or so). The approach is broken down into three phases including Requirements and Architecture definition, initial prototype development, and full scale development. The following paragraphs provide a more in depth discussion of the goals and tasks which would be accomplished during each phase.

Phase I – Requirements and Architecture Definition

The objectives of this phase are to

- a) ensure that there is a clear understanding of the system that is required by NOAA's Office of Climate Programs
- b) define a top level architecture which identifies the major architectural components and interfaces between those components
- c) Evaluate alternative approaches for implementing the architecture and select a solution.

The major tasks which will be performed during phase I include requirements definition, and top level architectural design. The goal of the requirements definition task is to identify and define the system's primary functions, inputs, outputs (displays and reports), and operational scenarios. The objective is not to identify every single function, input parameter, output parameter, etc. in minute detail, but rather to identify the major functions and drill down into more detail for the core functions that will drive the architecture. Typically, a small subset of the total requirements (30% or so) will drive the overall approach and, if a robust solution is selected, the remaining requirements tend to naturally fall into place. The idea at this point is to identify the 30% or so core requirements, delve into those requirements in detail up front, and deal with the details of the other requirements during full scale implementation incremental builds. A proposed approach for gathering and analyzing the core requirements would include:

- a) Functional requirements and Operational Concepts – We anticipate that the bulk of this information will come from interviews and Q&A sessions with end users and problem domain experts.
- b) Input requirements – Get detailed information directly from source providers such as GODAE and NVOADS. Sources of information might include web sites, end user documentation, or interviews with domain experts for the various systems that will provide inputs to the observation monitoring system.
- c) Output requirements – This information includes concepts for various display screens and reports the system must generate. This information will also come from interviews with end users and domain experts. This is an area where it may make sense to create user interface prototypes that could be shared with the end users in order to obtain feedback and additional guidance on our design concepts.

Once the core requirements are defined and understood, a top level architecture can be defined. The architecture will identify the major components, the functionality provided by each component, and the interfaces between the major components. Once an initial architecture is defined, various design solutions can be evaluated. At present, we anticipate that the types of solutions that would be considered would include a spatially enabled database with a GIS front end, an SNMP-based tool such as Tivoli, CA Unicenter, or HP Openview, or a custom developed web-portal. However, the preference will be to minimize the amount of custom code which must be developed. Note that this is another point at which small scale prototypes may be useful in order to evaluate alternatives or validate critical design decisions.

Phase II – Initial Operational Prototype

The objective of this phase is to develop an initial prototype which can be delivered to the end users for them to use, evaluate, and provide feedback to the development team. This prototype would contain some level of core functionality and is intended to be a part of the final system. In other words, the intent is not to deliver a throw-away prototype, rather this would represent the first in a series of deliveries where each one builds on and adds to the functionality of its predecessors. The set of core functions and the top level architecture will be reviewed to determine the likely candidates for inclusion in the initial operational prototype. The goal is to select functions and architectural components which provide the foundation for the system as well as a subset of end user interface functions that give the users insight into how the final system will operate. Typically, the types of modules that would be included in this initial delivery could include:

- a) Core database - this would include the main tables, some core queries, and possibly some routines for inserting data into the tables. It may also be necessary to manually load simulation data or a subset of operational data into the tables to support proper operation of the end user functions that would be included in the prototype.
- b) Input subsystem – this could include modules for interfacing to one or more input sources to retrieve data from the source, format it for the system, and ingest the data into the system. This might include the code needed to retrieve all parameters from a selected source, or may only include the code needed to retrieve a subset of parameters that are needed to support the initial prototype.
- c) End user functionality – this would include some subset of the total suite of end user functions and would probably include the ability to select a subset of data and either display it in one or two display formats or generate a simple report.

At this point, it appears that the system will present places where subsets of functionality “fall out” naturally. Examples include domains, platforms, parameters, and displays. For example, it may make sense to provide the capability to monitor one parameter from one platform in one domain in a single display format in the initial prototype. Additional parameters, platforms, and domains along with more sophisticated selection logic and

displays would be added in increments during full scale development. Note that the selection of which capabilities to include in the initial prototype will be driven by several factors, including

- a) End user preferences – If the end user has any preferences on which domains, platforms, or parameters are included in the initial prototype, those preferences will be factored in
- b) Ease of implementation – In general, we want to go after the “low hanging fruit” for the initial prototype, so those parameters/platforms/domains which are easier to implement may be given preference
- c) Time frame available – The amount of functionality included in the initial prototype will be constrained to some extent by the time available to develop the initial delivery. At this point, we are targeting early September 2003 for this delivery.
- d) Risk Mitigation – In general, we want to identify any high-risk issues and ensure that they are solved and their solution is validated by the initial prototype. As an example, we would not want to wait until delivery 3 to implement a core interface function only to find that it will not work and a major part of the architecture has to be re-engineered.
- e) Logical progression of capability – In general, we also want to ensure that each subsequent delivery builds on the foundation that precedes it. Therefore, we will focus on functions which provide the foundation that later functions will need.

Phase III

The purpose of this phase is to proceed with full scale development of the remaining functions in an incremental fashion. A top level project plan will be developed that addresses the number of builds, the target contents of each build, and an initial schedule and staffing matrix for the development. As each build proceeds, the detailed plan for that build will be created and reviewed all stakeholders. The detailed build plan will identify the specific functions that will be included in the build and a detailed schedule for the build including all tasks and reviews that will be conducted. In general, the following approach will be used for each build. First, the list of candidate functions for the build is assembled based on the initial top level project plan and current development status. The functions on the list are prioritized and level of effort estimates are developed for each function. Based on the effort and any dependencies, a schedule is created for the build showing the order and time frame for implementing each function. The plan is reviewed with all stakeholders and any necessary modifications are incorporated. The initial phase of each build will involve requirements analysis and test planning. The detailed requirements for each function in the build will be developed along with a set of test cases for demonstrating the functions are implemented properly. At this point the development and test activities proceed in parallel. The code is written and tested at the unit and/or component level. At the same time, the details of each test case are developed and any test input datasets are created. Once the functions are implemented, they are tested following the test plan and the results are documented. At the end of the build, a review is held with all stakeholders to go over what was accomplished during the build

(e.g. new functionality, bug fixes, etc) as well as the test results, and any updates to end user documentation. Once the build is accepted, it is delivered to end users and any necessary training is conducted for the new features. This entire process is repeated until the system is complete.

update book

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Page 1 of Pages 4

Amendment/Modification No. 0098	3. Effective Date Jun 25, 2003	4. Requisition/Purchase Req. No. NWWG9500-3-35065	5. Project No. (if applicable)
sued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH BLDG 1100, W/OPS53 STENNIS SPACE CENTER MS 39529-6000 Penny S. Parker 228-688-1705		7. Administered By (If other than Item 6) SEE BLOCK 6	Code

8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNTL BUILDING 3205 STENNIS SPACE CENTER MS 39529-6000 ATTN: MS. PAMALA HATTAWAY (228) 688-1830	Vendor ID: 00027009 DUNS: 054781240 CAGE:	(X)	9A. Amendment of Solicitation No.
			9B. Date (See Item 11)
		X	10A. Modification of Contract/Order No. 50QANW000402
			10B. Date (See Item 13) May 18, 2000
Code	Facility Code		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)

\$ US 711,300.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.
	B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set forth item 14, pursuant to the authority of FAR 43.103 (b)
	C. This supplemental agreement is entered into pursuant to authority of:
X	D. Other (Specify type of modification and authority) FAR 52.232-22 - "Limitation of Funds."

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. Accounting and Appropriations Schedule of the subject contract is hereby revised by addition of page 4R, attached:

	Contract Value	Total Sum Allotted
Previous Value	\$37,768,559.25	\$26,877,812.96 ✓
This Action	- 0 -	711,300.00 ✓
Current Value	\$37,768,599.25	\$27,589,112.96 ✓

(Continued)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print)	16A. Name and title of Contracting Officer (Type or Print) Penny S. Parker 228-688-1705 Contracting Officer Penny.Parker@noaa.gov	
15B. Contractor/Officer	15C. Date Signed	16B. United States of America Original Signed by (Signature of Contracting Officer)
(Signature of person authorized to sign)		16C. Date Signed JUN 25 2003

NSN 7540-01-152-8070

30-105

STANDARD FORM 30 (REV. 10-83)

PREVIOUS EDITIONS UNUSABLE

Prescribed by GSA FAR (48 CFR) 53.243

SCHEDULE

No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
c	<p>The modificaion details are listed beginning on page 3.</p> <p>Third Option Year Estimated Cost</p>	1	YR	9,664,298.00 ✓	9,664,298.00 ✓

2. This modification incorporates the following incremental contract funding of \$711,300.00. ✓

3. SECTION B.3 ESTIMATED AND ALLOWABLE COSTS-INCREMENTALLY FUNDED CONTRACT Paragraph (3) is hereby revised as follows:

(a) Estimated Costs, Fee, and Sum Allotted

(1) Estimated cost, base fee, and potential award fee by contract period.

<u>Period</u>	<u>Estimated Cost</u>	<u>Potential Award Fee</u>
07/01/00-06/30/01	\$7,863,162	\$342,588
07/01/01-06/30/02	\$9,533,390	\$411,497
07/01/02-06/30/03	\$10,707,709	\$448,065
07/01/03-06/30/04	\$9,664,298	\$435,208
07/01/04-06/30/05	\$9,645,902	\$432,452

(2) Total contract value is computed as follows:

Fixed Price Work	475,763.25
Total Contract Value	\$37,768,559.25

(3) Total funds currently available for payment and allotted to this contract, in accordance with FAR clause 52.232-22, "Limitation of Funds," plus the estimated contract period covered by this amount:

Total Sum Allotted	\$27,589,112.96
Potential Award Fee	\$ 1,637,358.00
Estimated Period of Performance	07/01/2000 - 07/25/2003

0098	S-97	1403A8M1JMWPGC2304010200020060000095030000	\$ 31,500.00	
		26190000 (FY03)		
		14034BM1J60PRG0604010200020060000095030000	\$ 10,000.00	
		26190000		
		1403A8M1JSCPSC2304010230220060000095030000	\$ 20,000.00	
		26190000		
		1403A8M1JMWPGM2304010200020060000095030000	\$ 15,000.00	
		26190000		
		1403A8M1JSCPSC2304010230220060000095030000	\$ 100,000.00	
		25130000		
		14034BM1JCHPRH0604010200020060000095030000	\$ 4,000.00	
		25130000		
		1403A8R3PTMPDT2303030701420060000095030000	\$ 530,800.00	
		25130000	\$ 711,300.00	
			\$27,589,112.96	06/25/03

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Page 1 of Pages 4

Amendment/Modification No.
0099

3. Effective Date
Jul 1, 2003

4. Requisition/Purchase Req. No.

5. Project No. (if applicable)

6. Issued By
NATIONAL DATA BUOY CENTER
RESOURCES BRANCH
BLDG 1100, W/OPSS3
STENNIS SPACE CENTER MS 39529-6000
Penny S. Parker 228-688-1705

Code WG953023

7. Administered By (If other than Item 6)
SEE BLOCK 6

Code

8. Name and Address of Contractor (No., Street, County, and Zip Code)

SCIENCE APPLICATIONS INTERNTL
BUILDING 3205
STENNIS SPACE CENTER MS 39529-6000
MS. PAMALA HATTAWAY
(228) 688-1830

Vendor ID: 00027009
DUNS: 054781240

CAGE:

(X) 9A. Amendment of Solicitation No.

9B. Date (See Item 11)

10A. Modification of Contract/Order No.
50QANW000402

10B. Date (See Item 13)
May 18, 2000

Code Facility Code

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)
\$ US -13,805.06

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.
B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set fourth item 14, pursuant to the authority of FAR 43.103 (b)
X C. This supplemental agreement is entered into pursuant to authority of:
Under scope, within terms and conditions of contract; by mutual agreement.
X D. Other (Specify type of modification and authority)
FAR 52.232-22 - "Limitation of Funds."

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 3 copies to the issuing office.
14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. Accounting and Appropriations Schedule of the subject contract is hereby revised by addition of page 4R, attached:

	Contract Value	Total Sum Allotted
Previous Value	\$37,768,599.25	\$27,589,112.96
This Action	- 0 -	(13,805.06)
Current Value	\$37,768,599.25	\$27,575,307.90

(Continued)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print)

Pamala J. Hattaway
Contracts Representative

16A. Name and title of Contracting Officer (Type or Print)

Penny S. Parker 228-688-1705
Contracting Officer
Penny.Parker@noaa.gov

15B. Contractor/Officer

Pamala J. Hattaway
(Signature of person authorized to sign)

15C. Date Signed

7/11/03

16B. United States of America

Penny S. Parker
(Signature of Contracting Officer)

16C. Date Signed

7/15/03

NSN 7540-01-152-8070

30-105

STANDARD FORM 30 (REV. 10-83)

PREVIOUS EDITIONS UNUSABLE

Prescribed by GSA FAR (48 CFR) 53.243

SCHEDULE

	Supplies/Services	Quantity	Unit	Unit Price	Amount
0002	The modification details are listed on page 3. First Option Year Estimated Cost	1	YR	9,533,390.00	9,533,390.00
0003	The modification details are listed beginning on page 3. Second Option Year Estimated Cost	1	YR	10,707,709.25	10,707,709.25

2. This modification incorporates the following:

(a) Section B.1(a) is modified to include: "For the period of 07/01/03 through 06/30/05, the Contractor shall not be required to provide services whose value exceeds the total funding provided for the applicable period as set forth in Section B.3. The funding available will be distributed by CTD, TD, and IWR. Hours will continue to be estimated and reported."

(b) Section B.1(b) is modified to include: "In performing these services for the period 07/01/03 through 06/30/05, the Contractor shall not be required to provide services whose value exceeds the total funding for the applicable period set forth under Section B.3. The Contractor's contractual obligation is, however, limited by the funding for the effort set forth below under Section B.3."

(c) Section B.1(c) is modified to include the following: "For the period of 07/01/03 through 06/30/05 the hours will continue to be chargeable as above, while the emphasis will be placed on performing the IWR tasking within the agreed funding."

(d) Reduction in incremental contract funding of (\$13,805.06).

3. SECTION B.3 ESTIMATED AND ALLOWABLE COSTS-INCREMENTALLY FUNDED CONTRACT, Paragraph (3) is hereby revised as follows:

- (a) Estimated Costs, Fee, and Sum Allotted
(1) Estimated cost, base fee, and potential award fee by contract period.

<u>Period</u>	<u>Estimated Cost</u>	<u>Potential Award Fee</u>
07/01/00-06/30/01	\$7,863,162	\$342,588
07/01/01-06/30/02	\$9,533,390	\$411,497
07/01/02-06/30/03	\$10,707,709	\$448,065
07/01/03-06/30/04	\$9,664,298	\$435,208
07/01/04-06/30/05	\$9,645,902	\$432,452

- (2) Total contract value is computed as follows:

	475,763.25
Fixed Price Work	
Total Contract Value	\$37,768,559.25

(3) Total funds currently available for payment and allotted to this contract, in accordance with FAR clause 52.232-22, "Limitation of Funds," plus the estimated contract period covered by this amount:

Total Sum Allotted	\$27,575,307.90
Potential Award Fee	\$ 1,637,358.00
Estimated Period of Performance	07/01/2000 - 07/25/2003

(Continued on page 4R)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. Contract ID Code	Page 1 of Pages 4
2. Amendment/Modification No. 0100	3. Effective Date Jul 15, 2003 Code WG953023	4. Requisition/Purchase Req. No. NWWG9530-3-36151	5. Project No. (if applicable) Code	
6. Issued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH BLDG 1100, W/OPS53 STENNIS SPACE CENTER MS 39529-6000 Penny S. Parker 228-688-1705		7. Administered By (If other than Item 6) SEE BLOCK 6		
8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNTL BUILDING 3205 STENNIS SPACE CENTER MS 39529-6000 ATTN: MS. PAMALA HATTAWAY (228) 688-1830		(X) 9A. Amendment of Solicitation No. 9B. Date (See Item 11) 10A. Modification of Contract/Order No. 50QANW000402 10B. Date (See Item 13) May 18, 2000		
Code		Facility Code		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)
\$ US 951,821.50

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

(x) A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.
 B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set fourth item 14, pursuant to the authority of FAR 43.103 (b)
 C. This supplemental agreement is entered into pursuant to authority of:
 X D. Other (Specify type of modification and authority)
FAR 52.232-22 - "Limitation of Funds."
 E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. Accounting and Appropriations Schedule of the subject contract is hereby revised by addition of page 4R, attached:

	Contract Value	Total Sum Allotted
Previous Value	\$37,768,599.25	\$27,575,307.90
This Action	- 0 -	951,821.50
Current Value	\$37,768,599.25	\$28,527,129.50

(Continued)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print) Penny S. Parker Contracting Officer Penny.Parker@noaa.gov	16A. Name and title of Contracting Officer (Type or Print) Penny S. Parker Contracting Officer Penny.Parker@noaa.gov	16C. Date Signed 7/15/03
15B. Contractor/Officer (Signature of person authorized to sign)	15C. Date Signed (Signature of Contracting Officer)	16B. United States of America Original Signed by

NSN 7540-01-152-8070

PREVIOUS EDITIONS UNUSABLE

30-105

STANDARD FORM 30 (REV. 10-83)

Prescribed by GSA FAR (48 CFR) 53.243

SCHEDULE

No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0004	<p>The modifacaiton details are listed beginning on page 3.</p> <p>Third Option Year Estimated Cost</p>	1	YR	9,664,298.00	9,664,298.00

2. This modification incorporates incremental contract funding of \$951,821.50.

3. SECTION B.3 ESTIMATED AND ALLOWABLE COSTS-INCREMENTALLY FUNDED CONTRACT, Paragraph (3) is hereby revised as follows:

(a) Estimated Costs, Fee, and Sum Allotted

(1) Estimated cost, base fee, and potential award fee by contract period.

<u>Period</u>	<u>Estimated Cost</u>	<u>Potential Award Fee</u>
07/01/00-06/30/01	\$7,863,162	\$342,588
07/01/01-06/30/02	\$9,533,390	\$411,497
07/01/02-06/30/03	\$10,707,709	\$448,065
07/01/03-06/30/04	\$9,664,298	\$435,208
07/01/04-06/30/05	\$9,645,902	\$432,452

(2) Total contract value is computed as follows:

	475,763.25
Fixed Price Work	
Total Contract Value	\$37,768,559.25

(3) Total funds currently available for payment and allotted to this contract, in accordance with FAR clause 52.232-22, "Limitation of Funds," plus the estimated contract period covered by this amount:

Total Sum Allotted	\$28,527,129.40
Potential Award Fee	\$ 1,637,358.00
Estimated Period of Performance	07/01/2000 - 08/28/2003

(Continued on page 4R)

MOD	SUP	ACC/APP	AMOUNT	CUMULATIVE OBLIGATION	
0098	S-97	1403A8M1JMWPGC2304010200020060000095030000	\$ 31,500.00		
		26190000 (FY03)			
		14034BM1J60PRG0604010200020060000095030000	\$ 10,000.00		
		26190000			
		1403A8M1JSCPC2304010230220060000095030000	\$ 20,000.00		
		26190000			
		1403A8M1JMWPGM2304010200020060000095030000	\$ 15,000.00		
		26190000			
		1403A8M1JSCPC2304010230220060000095030000	\$ 100,000.00		
		25130000			
		14034BM1JCHPRH0604010200020060000095030000	\$ 4,000.00		
		25130000			
		1403A8R3PTMPDT2303030701420060000095030000	\$ 530,800.00		
0099	S-97	25130000	\$ 711,300.00	\$27,589,112.96	06/25/03
		14024BM1J89PRA0604010200020060000095000000	(\$ 8,888.73)		
		25130000			
		14014RM1JNGPR90704010200020060000095000000	(\$ 4,916.33)		
		25130000	(\$ 13,805.06)	\$27,575,307.90	06/30/03
0100	S-98	1403A8M1JMWPA22304010200020060000095030000	\$ 750,000.00		
		25130000			
		14034BM1JCHPRH0604010200020060000095030000	\$ 8,421.50		
		25130000			
		14034BM2LZZPRR0604020100020060000095030000	\$ 145,500.00		
		25130000			
		1403A8K6ECSPT2301030600320060000095030000	\$ 47,900.00		
		25130000	\$ 951,821.50	\$28,527,129.40	07/15/03

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Page 1 of Pages 5

Amendment/Modification No. 0101	3. Effective Date Jul 18, 2003	4. Requisition/Purchase Req. No. NWVG9500-3-36405	5. Project No. (if applicable)
6. Issued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH BLDG 1100, W/OPS53 STENNIS SPACE CENTER MS 39529-6000 Penny S. Parker 228-688-1705		7. Administered By (If other than Item 6) SEE BLOCK 6	
8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNTL BUILDING 3205 STENNIS SPACE CENTER MS 39529-6000 ATTN: MS. PAMALA HATTAWAY (228) 688-1830		(X) 9A. Amendment of Solicitation No. 9B. Date (See Item 11) 10A. Modification of Contract/Order No. 50QANW000402 10B. Date (See Item 13) May 18, 2000	
Code	Facility Code		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)
\$ US 228,600.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. This change order is issued pursuant to: (Specify authority) The changes set forth in Item 14 are made in the Contract Order No. in Item 10A.
	B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set forth item 14, pursuant to the authority of FAR 43.103 (b)
X	C. This supplemental agreement is entered into pursuant to authority of: Under scope, within terms and conditions of contract; by mutual agreement.
X	D. Other (Specify type of modification and authority) FAR 52-232-22 - "Limitation of Funds."

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 3 copies to the issuing office.

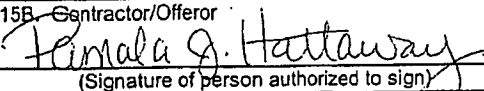
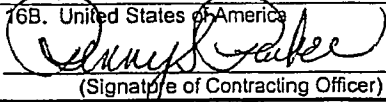
14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. Accounting and Appropriations Schedule of the subject contract is hereby revised by addition of page 5R, attached:

	Contract Value	Total Sum Allotted
Previous Value	\$37,768,559.25	\$28,527,129.40
This Action	98,000.00	228,600.00
Current Value	\$37,866,559.25	\$28,755,729.40

(Continued)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print) Pamala J. Hattaway Contracts Representative	16A. Name and title of Contracting Officer (Type or Print) Penny S. Parker Contracting Officer Penny.Parker@noaa.gov 228-688-1705
15B. Contractor/Officer  (Signature of person authorized to sign)	16B. United States of America  (Signature of Contracting Officer)
15C. Date Signed 7/28/03	16C. Date Signed 7/29/03

NSN 7540-01-152-8070

30-105

STANDARD FORM 30 (REV. 10-83)

PREVIOUS EDITIONS UNUSABLE

Prescribed by GSA FAR (48 CFR) 53.243

SCHEDULE

No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
	The modification details are listed beginning on page 3.				
0003	Second Option Year Estimated Cost	1	YR	10,805,709.25	10,805,709.25
0004	Third Option Year Estimated Cost	1	YR	9,664,298.00	9,664,298.00

2. This modification incorporates the following: (a) addition of a Senior Programmer Analyst position as an "Other Key Personnel" position to support the Observing Systems Monitoring Center (OSMC) Office of Global Prediction (OGP) for information technology support in Silver Springs, MD; (b) addition of [REDACTED] hours; (c) correction of page 1, block 14 Contract Value to read \$37,768,559.25 on modifications numbers 98, 99, and 100; (d) correction of page 1, block 14 Total Sum Allotted to read \$28,527,129.40 on modification number 100; (e) [REDACTED]; and (f) incremental contract funding of \$228,600.00.

3. SECTION B.1 SCOPE OF WORK, Paragraph (a), is hereby revised as follows:

<u>Period</u>	<u>ST Hours</u>	<u>O/T Hours</u>	<u>Total Hours</u>
07/01/00-06/30/01	[REDACTED]		
07/01/01-06/30/02			
07/01/02-06/30/03			
07/01/03-06/30/04			
07/01/04-06/30/05			

4. SECTION B.2 AWARD FEE The amount of the award fee earned and the applicable periods are as follows:

<u>Period</u>	<u>Award Fee Period</u>	<u>Cumulative Award Fee</u>
07/01/00-09/30/00	[REDACTED]	
10/01/00-12/22/00		
12/23/00-03/30/01		
03/31/01-06/30/01		
07/01/01-10/12/01		
10/13/01-01/04/02		
01/05/02-03/29/02		
03/30/02-06/30/02		
07/01/02-10/11/02		
10/12/02-01/03/03		
01/04/03-03/38/03		
03/29/03-06/30/03		

5. SECTION B.3 ESTIMATED AND ALLOWABLE COSTS-INCREMENTALLY FUNDED CONTRACT, Paragraphs (1), (2), and (3) are hereby revised as follows:

(a) Estimated Costs, Fee, and Sum Allotted

(1) Estimated cost, base fee, and potential award fee by contract period.

<u>Period</u>	<u>Estimated Cost</u>	<u>Potential Award Fee</u>
07/01/00-06/30/01	\$7,863,162	\$342,588
07/01/01-06/30/02	\$9,533,390	\$411,497
07/01/02-06/30/03	\$10,805,709	\$448,065
07/01/03-06/30/04	\$9,664,298	\$435,208
07/01/04-06/30/05	\$9,645,902	\$432,452

(2) Total contract value is computed as follows:

[REDACTED]

Fixed Price Work	475,763.25
Total Contract Value	\$37,866,559.25

(3) Total funds currently available for payment and allotted to this contract, in accordance with FAR clause 52.232-22, "Limitation of Funds," plus the estimated contract period covered by this amount:

Total Sum Allotted	\$28,755,729.40
[REDACTED]	
Potential Award Fee	\$ 1,637,358.00
Estimated Period of Performance	07/01/2000 - 08/28/2003

6. SECTION H.3 SENIOR MANAGEMENT AND OTHER KEY PERSONNEL, Paragraph (a) is hereby revised as follows:

(a) The Contractor shall assign to this contract the following senior management and other key personnel:

[REDACTED]

MOD	SUP	ACC/APP	AMOUNT	CUMULATIVE OBLIGATION	
0098	S-97	1403A8M1JMWPGC230401020002006000095030000	\$ 31,500.00		
		26190000 (FY03)			
		14034BM1J6PRG060401020002006000095030000	\$ 10,000.00		
		26190000			
		1403A8M1JSCPSC230401023022006000095030000	\$ 20,000.00		
		26190000			
		1403A8M1JMWPGM230401020002006000095030000	\$ 15,000.00		
		26190000			
		1403A8M1JSCPSC230401023022006000095030000	\$ 100,000.00		
		25130000			
0099	S-97	14034BM1JCHPRH060401020002006000095030000	\$ 4,000.00		
		25130000			
		1403A8R3PTMPDT230303070142006000095030000	\$ 530,800.00		
		25130000	\$ 711,300.00	\$27,589,112.96	06/25/03
		14024BM1J89PRA060401020002006000095000000	(\$ 8,888.73)		
		25130000			
		14014RM1JNGPR9070401020002006000095000000	(\$ 4,916.33)		
		25130000	(\$ 13,805.06)	\$27,575,307.90	06/30/03
		1403A8M1JMWPA2230401020002006000095030000	\$ 750,000.00		
		25130000			
0100	S-98	14034BM1JCHPRH060401020002006000095030000	\$ 8,421.50		
		25130000			
		14034BM2LZZPRR060402010002006000095030000	\$ 145,500.00		
		25130000			
		1403A8K6ECPST230103060032006000095030000	\$ 47,900.00		
		25130000	\$ 951,821.50	\$28,527,129.40	07/15/03
		1403A8M1JSCPSC230401023022006000095030000	\$ 218,600.00		
		2513			
		1403A8M1JSCPSC230401023022006000095030000	10,000.00		
		2619	\$ 228,600.00	\$28,755,729.40	07/17/03
0101	S-99				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Page 1 of Pages 5

Amendment/Modification No. 0102	3. Effective Date Aug 01, 2003	4. Requisition/Purchase Req. No.	5. Project No. (if applicable)
6. Issued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH BLDG 1100, W/OPS53 STENNIS SPACE CENTER MS 39529-6000 Penny S. Parker 228-688-1705		7. Administered By (If other than Item 6) SEE BLOCK 6	
8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNTL BUILDING 3205 STENNIS SPACE CENTER MS 39529-6000 ATTN: MS. PAMALA HATTAWAY (228) 688-1830		(X) 9A. Amendment of Solicitation No. 9B. Date (See Item 11) 10A. Modification of Contract/Order No. 50QANW000402 10B. Date (See Item 13) May 18, 2000	
Code	Facility Code		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)
\$ US 0.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. This change order is issued pursuant to: (Specify authority) The changes set forth in Item 14 are made in the Contract Order No. in Item 10A.
	B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set forth item 14, pursuant to the authority of FAR 43.103 (b)
X	C. This supplemental agreement is entered into pursuant to authority of: Under scope, within terms and conditions of contract; by mutual agreement.
X	D. Other (Specify type of modification and authority) FAR 52.232-22 - "Limitation of Funds."

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 3 copies to the issuing office.

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. Accounting and Appropriations Schedule of the subject contract is hereby revised by addition of page 5R, attached:

	Contract Value	Total Sum Allotted
Previous Value	\$37,866,559.25	\$28,755,729.40
This Action	111,335.00	- 0 -
Current Value	\$37,977,894.25	\$28,755,729.40

(Continued)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print) Pamala J. Hattaway Contracts Representative	16A. Name and title of Contracting Officer (Type or Print) Penny S. Parker Contracting Officer Penny.Parker@noaa.gov
15B. Contractor/Officer <i>Pamala J. Hattaway</i> (Signature of person authorized to sign)	15C. Date Signed 8/15/03
16B. United States of America <i>Penny S. Parker</i> (Signature of Contracting Officer)	16C. Date Signed 8/18/03

NSN 7540-01-152-8070

PREVIOUS EDITIONS UNUSABLE

30-105

STANDARD FORM 30 (REV. 10-83)

Prescribed by GSA FAR (48 CFR) 53.243

SCHEDULE

em No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0004	The modifcaiton details are listed beginning on page 3. Third Option Year Estimated Cost	1	YR	9,775,633.00	9,775,633.00

2. This modification incorporates the following: (a) Section B.3(b)(2)
Allowable Indirect Costs - [REDACTED]

of [REDACTED] hours for work in support of OSMC OGP performed in non-government facilities during the Third Option Year.

3. SECTION B.1 SCOPE OF WORK, Paragraph (a), is hereby revised as follows:

<u>Period</u>	<u>ST Hours</u>	<u>O/T Hours</u>	<u>Total Hours</u>
07/01/00-06/30/01	[REDACTED]	[REDACTED]	[REDACTED]
07/01/01-06/30/02	[REDACTED]	[REDACTED]	[REDACTED]
07/01/02-06/30/03	[REDACTED]	[REDACTED]	[REDACTED]
07/01/03-06/30/04	[REDACTED]	[REDACTED]	[REDACTED]
07/01/04-06/30/05	[REDACTED]	[REDACTED]	[REDACTED]

4. SECTION B.3 ESTIMATED AND ALLOWABLE COSTS-INCREMENTALLY FUNDED CONTRACT, Paragraphs (1), (2), and (3) are hereby revised as follows:

(a) Estimated Costs, Fee, and Sum Allotted

(1) Estimated cost, base fee, and potential award fee by contract period.

<u>Period</u>	<u>Estimated Cost</u>	<u>Potential Award Fee</u>
07/01/00-06/30/01	\$7,863,162	\$342,588
07/01/01-06/30/02	\$9,533,390	\$411,497
07/01/02-06/30/03	\$10,805,709	\$448,065
07/01/03-06/30/04	\$9,775,633	\$440,586
07/01/04-06/30/05	\$9,761,404	\$438,030

(2) Total contract value is computed as follows:

[REDACTED]	475,763.25
Fixed Price Work	
Total Contract Value	\$37,977,894.25

(3) Total funds currently available for payment and allotted to this contract, in accordance with FAR clause 52.232-22, "Limitation of Funds," plus the estimated contract period covered by this amount:

Total Sum Allotted	\$28,755,729.40
[REDACTED]	
Potential Award Fee	\$ 1,642,736.00
Estimated Period of Performance	07/01/2000 - 08/28/2003

5. SECTION B.3 ALLOWABLE INDIRECT COSTS, Paragraph (b) (2) is hereby revised
as follows:

O/H Rates

Performance Period

07/01/00-06/30/01
07/01/01-06/30/02
07/01/02-06/30/03
07/01/03-06/30/04
07/01/04-06/30/05

O/H Ceiling Rates

Performance Period

07/01/00-06/30/01
07/01/01-06/30/02
07/01/02-06/30/03
07/01/03-06/30/04
07/01/04-06/30/05

MOD	SUP	ACC/APP	AMOUNT	CUMULATIVE OBLIGATION	
0098	S-97	1403A8M1JMWPGC2304010200020060000095030000	\$ 31,500.00		
		26190000 (FY03)			
		14034BMLJ60PRG0604010200020060000095030000	\$ 10,000.00		
		26190000			
		1403A8M1JSCPSC2304010230220060000095030000	\$ 20,000.00		
		26190000			
		1403A8M1JMWPGM2304010200020060000095030000	\$ 15,000.00		
		26190000			
		1403A8M1JSCPSC2304010230220060000095030000	\$ 100,000.00		
		25130000			
0099	S-97	14034BMLJCHPRH0604010200020060000095030000	\$ 4,000.00		
		25130000			
		1403A8R3PTMPDT2303030701420060000095030000	\$ 530,800.00		
		25130000	\$ 711,300.00	\$27,589,112.96	06/25/03
		14024BMLJ89PRA0604010200020060000095000000	(\$ 8,888.73)		
		25130000			
		14014RMLJNGPR90704010200020060000095000000	(\$ 4,916.33)		
		25130000	(\$ 13,805.06)	\$27,575,307.90	06/30/03
		1403A8M1JMWPA22304010200020060000095030000	\$ 750,000.00		
		25130000			
0100	S-98	14034BMLJCHPRH0604010200020060000095030000	\$ 8,421.50		
		25130000			
		14034BMLJZPZR0604020100020060000095030000	\$ 145,500.00		
		25130000			
		1403A8K6ECSPST2301030600320060000095030000	\$ 47,900.00		
		25130000	\$ 951,821.50	\$28,527,129.40	07/15/03
		1403A8M1JSCPSC2304010230220060000095030000	\$ 218,600.00		
		2513			
		1403A8M1JSCPSC2304010230220060000095030000	10,000.00		
		2619	\$ 228,600.00	\$28,755,729.40	07/17/03
0101	S-99	N/A	- 0 -	\$28,755,729.40	08/13/03

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. Contract ID Code	Page 1	of Pages 4
2. Amendment/Modification No. 0103	3. Effective Date Aug 26, 2003	4. Requisition/Purchase Req. No. NWWG9500-3-37812	5. Project No. (if applicable)		
6. Issued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH BLDG 1100, W/OPS53 STENNIS SPACE CENTER MS 39529-6000 Penny S. Parker 228-688-1705		7. Administered By (If other than Item 6) SEE BLOCK.6		Code	
8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNTL BUILDING 3205 STENNIS SPACE CENTER MS 39529-6000 ATTN: MS. PAMALA HATTAWAY (228) 688-1830			(X) 9A. Amendment of Solicitation No. 9B. Date (See Item 11) 10A. Modification of Contract/Order No. 50QANW000402 10B. Date (See Item 13) May 18, 2000		
Code	Facility Code				

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
 (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)
\$ US 784,000.00

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

(X)	A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.
	B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set forth item 14, pursuant to the authority of FAR 43.103 (b)
	C. This supplemental agreement is entered into pursuant to authority of:
X	D. Other (Specify type of modification and authority) FAR 52.232-22 - "Limitation of Funds."
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.	

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. Accounting and Appropriations Schedule of the subject contract is hereby revised by addition of page 4S, attached:

	Contract Value	Total Sum Allotted
Previous Value	\$37,977,894.25	\$28,755,729.40
This Action	- 0 -	784,000.00
Current Value	\$37,977,894.25	\$29,539,729.40

(Continued)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print)		16A. Name and title of Contracting Officer (Type or Print) Penny S. Parker 228-688-1705 Contracting Officer Penny.Parker@noaa.gov	
15B. Contractor/Offoror (Signature of person authorized to sign)	15C. Date Signed	16B. United States of America Original Signed by (Signature of Contracting Officer)	16C. Date Signed AUG 27 2003

NSN 7540-01-152-8070

PREVIOUS EDITIONS UNUSABLE

30-105

STANDARD FORM 30 (REV. 10-83)

Prescribed by GSA FAR (48 CFR) 53.243

SCHEDULE

tem No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0004	<p>The modifcaiton details are listed beginning on page 3.</p> <p>Third Option Year Estimated Cost</p>	1	YR	9,775,633.00	9,775,633.00

2. This modification incorporates incremental contract funding of \$784,000.00.
3. SECTION B.3 ESTIMATED AND ALLOWABLE COSTS-INCREMENTALLY FUNDED CONTRACT, Paragraph (3) is hereby revised as follows:

(a) Estimated Costs, Fee, and Sum Allotted

(1) Estimated cost, base fee, and potential award fee by contract period.

<u>Period</u>	<u>Estimated Cost</u>	<u>Potential Award Fee</u>
07/01/00-06/30/01	\$7,863,162	\$342,588
07/01/01-06/30/02	\$9,533,390	\$411,497
07/01/02-06/30/03	\$10,805,709	\$448,065
07/01/03-06/30/04	\$9,775,633	\$440,586
07/01/04-06/30/05	\$9,761,404	\$438,030

(2) Total contract value is computed as follows:

Fixed Price Work	475,763.25
Total Contract Value	\$37,977,894.25

(3) Total funds currently available for payment and allotted to this contract, in accordance with FAR clause 52.232-22, "Limitation of Funds," plus the estimated contract period covered by this amount:

Total Sum Allotted	\$29,539,729.40
Potential Award Fee	\$ 1,642,736.00
Estimated Period of Performance	07/01/2000 - 08/28/2003

Continued on Page 4S

MOD	SUP	ACC/APP	AMOUNT	CUMULATIVE OBLIGATION	
103	S100	14034BM1JHAPCH06040102000020060000095030000	\$ 120,000.00		
		25130000			
		14034BM1JHAPCH06040102000020060000095030000	\$ 4,000.00		
		26190000			
		1403A8M1JMWPA223040102000020060000095030000	\$ 600,000.00		
		25130000			
		1403A8R1D4APMC2303010400420060000095030000	\$ 60,000.00		
		25130000	\$ 784,000.00	\$29,539,729.40	08/26/03

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AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. Contract ID Code	Page 1	of Pages 4
Amendment/Modification No. 0104	3. Effective Date Aug 28, 2003	4. Requisition/Purchase Req. No. NWWG9500-3-37905	5. Project No. (if applicable)		
6. Issued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH BLDG 1100, W/OPSS3 STENNIS SPACE CENTER MS 39529-6000 Penny S. Parker 228-688-1705		7. Administered By (if other than Item 6) SEE BLOCK 6		Code	
8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNTL BUILDING 3205 STENNIS SPACE CENTER MS 39529-6000 ATTN: MS. PAMALA HATTAWAY (228) 688-1830 Vendor ID: 00027009 DUNS: 054781240 CAGE:			(X)	9A. Amendment of Solicitation No.	
				9B. Date (See Item 11)	
			X	10A. Modification of Contract/Order No. 50QANW000402	
				10B. Date (See Item 13) May 18, 2000	
Code			Facility Code		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. Accounting and Appropriation Data (if required) \$ US 987,226.00					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
(x)	A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.				
	B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set fourth item 14, pursuant to the authority of FAR 43.103 (b)				
	C. This supplemental agreement is entered into pursuant to authority of:				
X	D. Other (Specify type of modification and authority) FAR 52.232-22 - "Limitation of Funds".				
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					

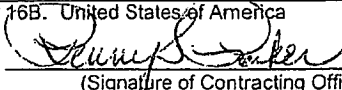
14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. Accounting and Appropriations Schedule of the subject contract is hereby revised by addition of page 4S, attached:

	Contract Value	Total Sum Allotted
Previous Value	\$37,977,894.25	\$29,539,729.40
This Action	- 0 -	987,226.00
Current Value	\$37,977,894.25	\$30,526,955.40

(Continued)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print)	16A. Name and title of Contracting Officer (Type or Print) Penny S. Parker 228-688-1705 Contracting Officer Penny.Parker@noaa.gov		
15B. Contractor/Offoror	15C. Date Signed	16B. United States of America  (Signature of Contracting Officer)	16C. Date Signed AUG 29 2003
(Signature of person authorized to sign)			

NSN 7540-01-152-8070

30-105

STANDARD FORM 30 (REV. 10-83)

PREVIOUS EDITIONS UNUSABLE

Prescribed by GSA FAR (48 CFR) 53.243

SCHEDULE

am No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0004	<p>The modificalton details are listed beginning on page 3.</p> <p>Third Option Year Estimated Cost</p>	1	YR	9,775,633.00	9,775,633.00

This modification incorporates incremental contract funding of \$987,226.00.

SECTION B.3 ESTIMATED AND ALLOWABLE COSTS-INCREMENTALLY FUNDED
CONTRACT, Paragraph (3) is hereby revised as follows:

(a) Estimated Costs, Fee, and Sum Allotted

(1) Estimated cost, base fee, and potential award fee by contract period.

<u>Period</u>	<u>Estimated Cost</u>	<u>Potential Award Fee</u>
07/01/00-06/30/01	\$7,863,162	\$342,588
07/01/01-06/30/02	\$9,533,390	\$411,497
07/01/02-06/30/03	\$10,805,709	\$448,065
07/01/03-06/30/04	\$9,775,633	\$440,586
07/01/04-06/30/05	\$9,761,404	\$438,030

(2) Total contract value is computed as follows:

Fixed Price Work	475,763.25
Total Contract Value	\$37,977,894.25

(3) Total funds currently available for payment and allotted to this contract, in accordance with FAR clause 52.232-22, "Limitation of Funds," plus the estimated contract period covered by this amount:

Total Sum Allotted	\$30,526,955.40
Potential Award Fee	\$ 1,642,736.00
Estimated Period of Performance	07/01/2000 - 10/03/2003

(Continued on 4S)

MOD	SUP	ACC/APP	AMOUNT	CUMULATIVE OBLIGATION	
103	S100	14034BM1JHAPCH0604010200020060000095030000	\$ 120,000.00		
		25130000			
		14034BM1JHAPCH0604010200020060000095030000	\$ 4,000.00		
		26190000			
		1403A8M1JMWPA22304010200020060000095030000	\$ 600,000.00		
		25130000			
104	S101	1403A8R1D4APMC2303010400420060000095030000	\$ 60,000.00		
		25130000	\$ 784,000.00	\$29,539,729.40	08/26/03
		1403A8M1JMWPA22304010200020060000095030000	\$ 974,976.00		
		25130000			
		1403A8K6ECSPST2301060600320060000095030000	\$ 10,000.00		
		26190000			
		1403A8K6BCSPSZ2301030100720060000095030000	\$ 2,250.00		
		26190000	\$ 987,226.00	\$30,526,955.40	08/27/03